

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-258001

(43)Date of publication of application : 22.09.2000

(51)Int.Cl.

F25B 49/02
B60H 1/32

(21)Application number : 11-059000

(71)Applicant : DENSO CORP

(22)Date of filing : 05.03.1999

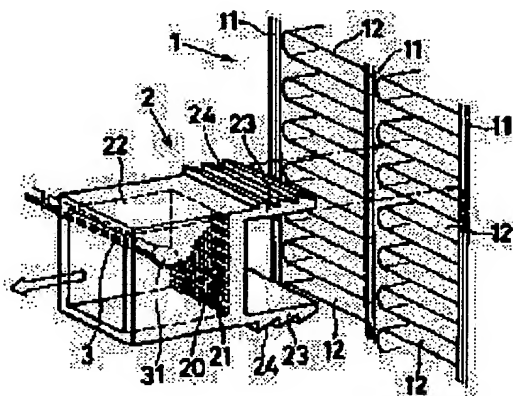
(72)Inventor : KOMATSU HIROBUMI

(54) REFRIGERATION SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a refrigeration system provided with a temperature sensor for refrigerant evaporator in order to perform antifreeze control surely.

SOLUTION: The refrigeration system comprises a sensor 3 disposed on the leeward side of a refrigerant evaporator 1 in order to measure the temperature of conditioned air and to stop operation of the refrigeration system when the measured temperature of conditioned air drops below a set level thus preventing the refrigerant evaporator 1 from freezing. Heat-sensitive part 31 of the antifreeze sensor 3 is arranged in a tubular clip 2 provided with a net 21 and cooling fins 12 are engaged with engaging pieces 23, 23.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

JP-A-2003-65639

In order to accurately perform a freezing prevention control, an air flow reducing member is provided upstream of a refrigerant evaporator, and a temperature sensing portion of a freezing-prevention temperature sensor is disposed in an air flow reducing area. The air flow reducing member reduces an air flow rate, and forms the air flow reducing area downstream of the refrigerant evaporator. In this way, a surface temperature of the refrigerant evaporator can be accurately detected.